

Title (en)

ANTI-TACK BLADDER, ANTI-TACK RUBBER AND METHOD FOR MAKING AND USING SAME

Title (de)

ANTI-KLEBENDE BLASE, ANTI-KLEBENDER KAUTSCHUK UND VERFAHREN ZUR HERSTELLUNG UND ANWENDUNG DERSELBEN

Title (fr)

VESSIE ANTICOLLANTE, CAOUTCHOUC ANTICOLLANT ET LEUR PROCEDE DE PRODUCTION ET D'UTILISATION

Publication

EP 1150819 B1 20040609 (EN)

Application

EP 00906560 A 20000201

Priority

- IB 0000260 W 20000201
- US 24307199 A 19990202

Abstract (en)

[origin: WO0046006A1] A bladder with an anti-tack rubber having suitable curing properties to turn up plies in manufacturing pneumatic tires is provided. In a preferred embodiment, the anti-tack rubber comprises 50 to 45 parts natural rubber cured with 50 to 60 parts chlorosulfonated polyethylene, 0.9 to 1.1 benzothiazyl disulfide and 0.9 to 1.1 phenylenediamine. A method of making the anti-tack rubber comprises mixing a first rubber and an anti-tack composition and blending curing agents to form a workable anti-tack rubber with suitable curing properties. An improved and simplified method to form a bladder with suitable anti-tack and curing properties, and a method for using a bladder to turn plies in manufacturing pneumatic tires, wherein the bladder is made from an anti-tack rubber is also disclosed.

IPC 1-7

B29C 33/50; **B29C 33/62**; **B29D 30/26**; **C08L 23/34**

IPC 8 full level

B29C 33/02 (2006.01); **B29C 33/50** (2006.01); **B29C 33/62** (2006.01); **B29C 35/02** (2006.01); **B29D 23/24** (2006.01); **B29D 30/26** (2006.01); **C08L 23/34** (2006.01); **B29K 21/00** (2006.01); **B29K 105/24** (2006.01); **B29L 30/00** (2006.01)

CPC (source: EP US)

B29C 33/50 (2013.01 - EP US); **B29C 33/62** (2013.01 - EP US); **B29D 30/26** (2013.01 - EP US); **C08L 23/34** (2013.01 - EP US); **B29D 2030/2614** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0046006 A1 20000810; AR 022476 A1 20020904; AT E268678 T1 20040615; AU 2821800 A 20000825; BR 0007939 A 20011218; DE 60011392 D1 20040715; DE 60011392 T2 20050609; EP 1150819 A1 20011107; EP 1150819 B1 20040609; ES 2222891 T3 20050216; JP 2003517387 A 20030527; RU 2223176 C2 20040210; TR 200102954 T2 20020121; TW 436404 B 20010528; US 2002084039 A1 20020704; US 6363989 B1 20020402; US 6824634 B2 20041130

DOCDB simple family (application)

IB 0000260 W 20000201; AR P000100440 A 20000202; AT 00906560 T 20000201; AU 2821800 A 20000201; BR 0007939 A 20000201; DE 60011392 T 20000201; EP 00906560 A 20000201; ES 00906560 T 20000201; JP 2000597106 A 20000201; RU 2001124357 A 20000201; TR 200102954 T 20000201; TW 89101736 A 20000307; US 24307199 A 19990202; US 3346701 A 20011227